

RPPB4314

Product Information Protein Information

Product SKU:

RPPB4314

Host:

Escherichia Coli.

Protein description:

Recombinant Protein-A/G/L produced in E.Coli is a single non-glycosylated polypeptide chain. Protein-A/G/L is comprised of 5 IgG-binding regions of Protein A (E-D-A-B-C), 2 of protein G (C1-C3) and 5 of Protein L (B1-B2-B3-B4-B5) containing 805 amino acids in total and having a molecular mass of 89.2kDa. Cell wall binding region, cell membrane binding region and albumin binding region have been eliminated from the recombinant Protein- A/G/L to guarantee the maximum specific IgG binding.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

Protein- A/G/L was lyophilized without any additives.

Purity:

Greater than 95.0% as determined by: (a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Protein-A/G/L in sterile 18M-cm H₂O not less than 0.1mg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Protein-A/G/L although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Protein-A/G/L should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

NAAQHDEAAQQ NAFYQVLNMP NLNADQRNGF IQSLKDDPSQ SANVLGEAQK LNDSQAPKAD
AQQNNFNKQD QSAFYEILNM PNLNEAQRNG FIQSLKDDPS QSTNVLGEAK KLNESQAPKA DNNFNKEQQN
AFYEILNMPN LNEEQRNGFI QSLKDDPSQS ANLLSEAKKL NESQAPKADN KFNKEQQNAF YEILHLPNLN
EEQRNGFIQS LKDDPSQSAN LLAEAKKLNQ AQAPKADNKF NKEQQNAFYE ILHLPNLTEE QRNGFIQSLK
DDPSVSKEIL AEAKKLNDQA APKEEDSLEG SSGSPTYKLL NGKTLKGETT TEAVDAATAE KVFKQYANDN
GVDGEWYDAD ATKTFTVTEK PEVIDASELT PAVTTYKLVV NGKTLKGETT TKAVDAETAE KAFKQYANDN
GVDGVWYDAD ATKTFTVTEE PRARPGSGSG KEETPETPET DSEEEVTIKA NLIFANGSTQ TAEFKGTFEK
ATSEAYAYAD TLKKNNGEYT VDVADKGYTL NIKFAGKEKT PEEPKEEVTI KANLIYADGK TQTAEFKGT
EEATAEAYRY ADALKKDNQE YTVDVADKGY TLNIKFAGKE KPEEPKEEV TIKANLIYAD GKTQTAEFK
TFEATAEAY RYADLLAKEN GKTYDVADK GYTLNIKFAG KEKPEEPKE EVTIKANLIY ADGKTQTAEF
KGTFAEATAE AYRYADLLAK ENGKYTADLE DGGYTINIRF AGKKVDEKPE EKEQVTIKEN IYFEDGTVQT
ATFKGTFAEA TAEAYRYADL LSKEHGKYTA DLEDGGYTIN IRFAG.